



CALIFORNIA

Agricultural Bulletin

May 2002
(Internet Version)

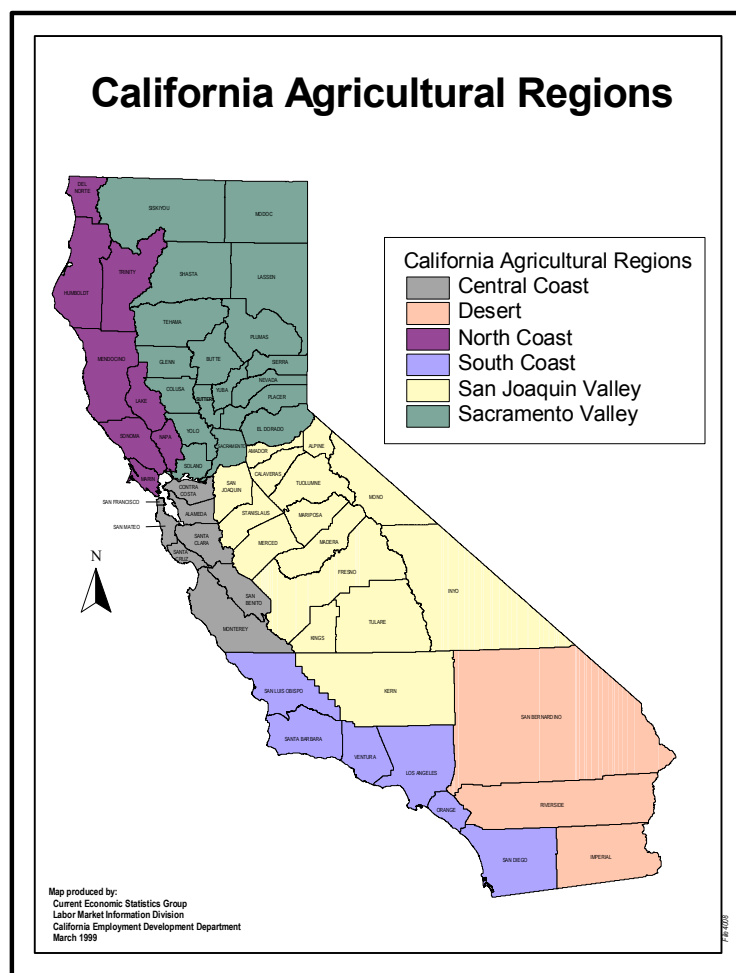
EDD Employment
Development
Department
State of California

Agricultural Overview

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This bulletin covers 27 agricultural industries in the State of California. The number of industries ranges from five to seventeen within each of the six geographic regions. The regions are the San Joaquin Valley, South Coast, Desert, Central Coast, Sacramento Valley, and North Coast (refer to map for details).



The data are organized into the following tables by state and region:

- Wage and Salary Workers
- Average Hourly Earnings

LMID
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Summary

Employment

California's total agricultural employment for May 2002 increased 35,000 jobs over the previous month, a gain of nine percent. Total Agricultural Production increased 11,500 jobs from April 2002 to May 2002, a gain of five percent. Agricultural Services increased by 23,500 jobs, a gain of 16 percent. It is normal for both Agricultural Production and Agricultural Services to show increases from April to May. The change in California agricultural employment from April 2001 to May 2001 was an increase of 51,000 jobs.

Farm Labor Contractor Services registered the largest increase for the month with a gain of 17,100 jobs. A significant increase was registered in Berry crops where 7,400 jobs were added. The largest decrease for the month was seen in the Other Field Crops category where 2,900 jobs were lost. Total agricultural employment increased 17 percent in the North Coast Region, 12 percent in the San Joaquin Valley Region, 10 percent in the Central Coast Region, six percent in the Desert Region, and five percent in the South Coast Region. Agricultural employment decreased two percent in the Sacramento Valley Region.

Production and Crop Activity

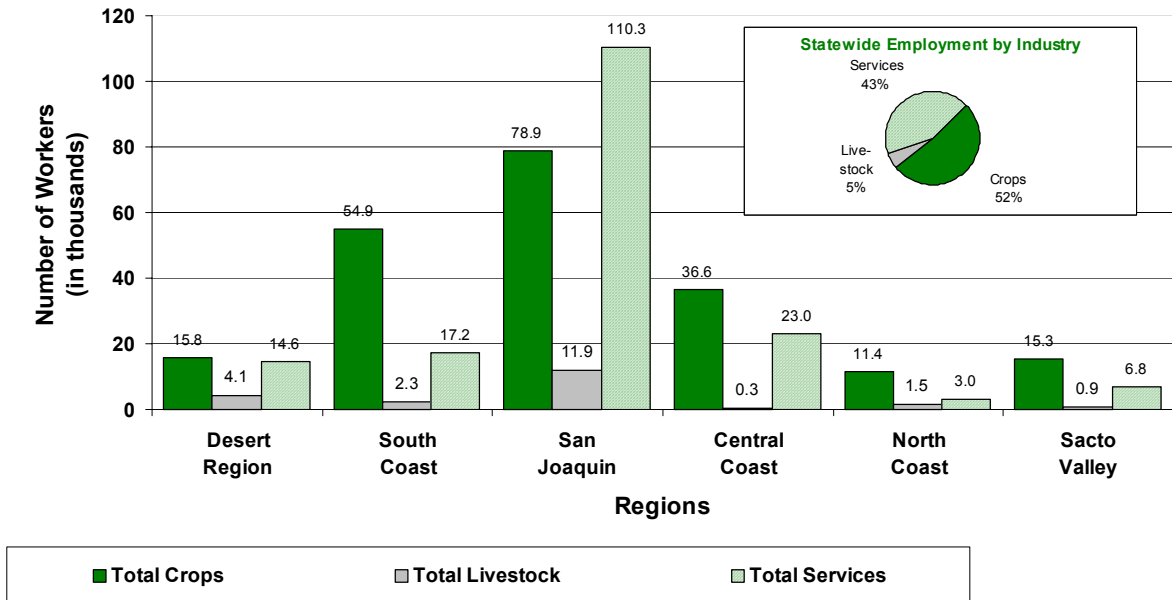
Wheat harvesting began in the Imperial Valley. Many fields in the San Joaquin Valley received their final irrigation. Oats were harvested; straw was windrowed, baled, and stacked. Harvested oat fields were disced in preparation for planting. Fields of wheat, oats, and barley planted as forage were harvested for silage or cut and windrowed for drying. Alfalfa cutting and baling continued. Cotton growers were fertilizing, cultivating, and irrigating the crop. Rice planting also continued. A few new cornfields were planted. Vegetable field activities such as thinning, weeding, irrigating, and treatments for insects and disease control continued. Processing peppers were planted. Irrigation and weed control activity continued in processing tomato fields. Some tomato transplanting occurred. Onion harvesting began in Fresno County. Large quantities of lettuce were harvested and sweet corn harvesting was underway. The harvesting of cantaloupes, honeydews, and mixed melons was ongoing. Carrots, garlic, onions, and potatoes were being harvested in Kern County. Other vegetables harvested during the month included: asparagus, basil, beets, broccoli, cabbage, cauliflower, cilantro, cucumbers, green onions, leeks, parsley, radishes, snow peas, sugar peas, spinach, squash, thyme and turnips.

Weed control, fungicide applications, cultivation, irrigation and other cultural activities continued in orchards and vineyards. Stone fruit harvesting continued. Cherries, nectarines, peaches, and apricots were picked and packed. Fruit thinning neared completion in stone fruit orchards. Apple growers applied treatments to control insect and disease problems. Shoot thinning and sucker removal continued in some table grape vineyards. The Valencia orange harvest was very active, but the navel orange harvest was winding down. Lemons were harvested in the coastal areas and grapefruit was harvested in the Coachella Valley. Strawberry harvesting continued, though warm weather slowed production in some areas. Almond growers irrigated, mowed orchard floors, and applied treatments to control weeds, insects, and diseases. Heavily laden almond branches were propped up in many locations. Irrigation was also underway in some pistachio, walnut, and pecan orchards.

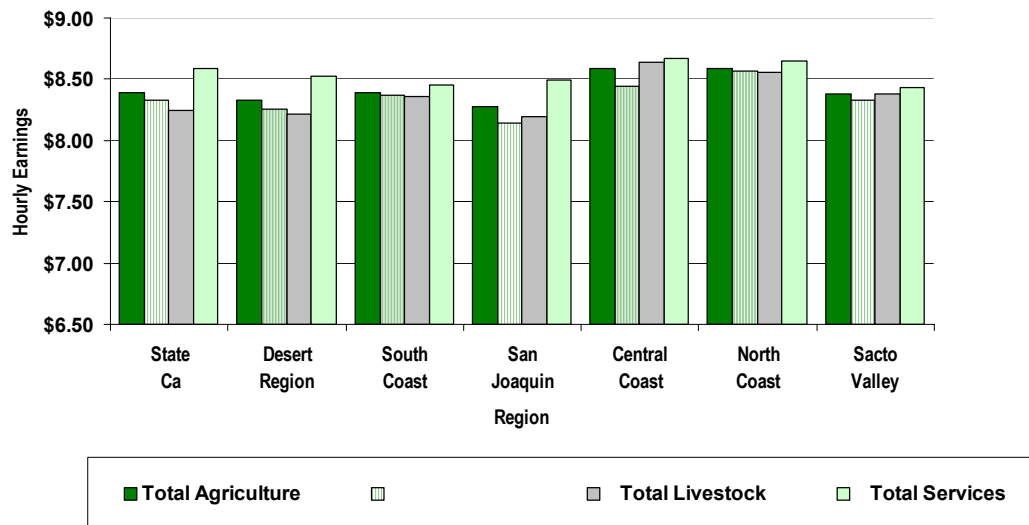
Cattle were shipped to market or to summer pastures. Bees were moved to melon, alfalfa, and vegetable fields. New crop lambs were being shipped.

Agricultural Summary Charts

Wage and Salary Workers



Average Hourly Earnings



CALIFORNIA AGRICULTURAL EMPLOYMENT

Wage and Salary Workers (In Thousands)

Industry	May 2002	Apr 2002	May 2001
Total Agriculture	408.8	373.8	432.2
Total Agricultural Production/Crops	212.9	196.4	219.3
Cash Grains	2.6	4.9	2.8
Rice	2.0	2.8	1.9
Other Cash Grains	0.6	2.1	0.9
Field Crops Except Grains	17.8	17.0	11.3
Cotton	6.2	2.5	5.5
Other Field Crops	11.6	14.5	5.8
Vegetables and Melons	37.6	32.4	35.9
Total Fruits and Tree Nuts	94.6	81.8	101.5
Berries	27.6	20.2	27.9
Grapes	35.0	29.9	38.5
Tree Nuts	5.2	7.3	7.7
Citrus Fruits	2.2	2.3	3.8
Deciduous Tree Fruit	7.4	2.8	14.8
Other Fruits & Nuts	17.2	19.3	8.8
Total Horticultural Specialties	38.8	43.0	40.1
Ornamental Floral & Nursery	35.6	38.2	36.4
Food Crops Grown Under Cover	3.2	4.8	3.7
General Farm Primarily Crop	21.5	17.3	27.7
Agricultural Production/Livestock	21.0	26.0	29.4
Beef Cattle Feed Lots	1.5	1.4	0.9
Beef Cattle Except Feed Lots	1.5	1.9	3.6
Dairy Farms	10.7	13.2	16.5
Chicken Eggs	1.3	3.8	2.3
Turkey & Turkey Eggs	2.7	0.7	1.0
Other Livestock	3.3	5.0	5.1
Total Agricultural Services	174.9	151.4	183.5
Soil Preparation Services	0.7	2.0	1.4
Crop Services	38.5	32.2	45.9
Plant Cultivate & Protection	5.0	5.4	6.7
Harvest Primarily by Machine	3.9	3.4	6.1
Preparation Services for Market	28.9	22.8	32.5
Cotton Ginning	0.7	0.6	0.6
Total Farm Labor & Management	135.7	117.2	136.2
Farm Labor Contractors	127.1	110.0	123.5
Farm Management Services	8.6	7.2	12.7

Average Hourly Earnings (In dollars per hour)

Industry	May 2002	Apr 2002	May 2001
Total Agriculture	8.39	8.40	8.21
Total Agricultural Production/Crops	8.33	8.35	8.13
Cash Grains	8.30	8.39	8.24
Rice	8.30	8.68	8.23
Other Cash Grains	8.30	8.11	8.26
Field Crops Except Grains	8.41	8.46	8.12
Cotton	8.43	8.46	8.00
Other Field Crops	8.40	8.45	8.24
Vegetables and Melons	8.45	8.45	8.17
Total Fruits and Tree Nuts	8.27	8.20	7.89
Berries	8.18	8.20	7.43
Grapes	8.33	8.21	8.02
Tree Nuts	8.31	8.30	7.82
Citrus Fruits	8.23	8.02	7.94
Deciduous Tree Fruit	8.12	7.98	7.80
Other Fruits & Nuts	8.45	8.47	8.35
Total Horticultural Specialties	8.36	8.37	8.18
Ornamental Floral & Nursery	8.43	8.43	8.20
Food Crops Grown Under Cover	8.30	8.32	8.16
General Farm Primarily Crop	8.20	8.25	8.18
Agricultural Production/Livestock	8.25	8.26	8.08
Beef Cattle Feed Lots	8.08	8.24	8.19
Beef Cattle Except Feed Lots	8.44	8.23	8.21
Dairy Farms	8.49	8.49	8.59
Chicken Eggs	7.98	8.20	7.42
Turkey & Turkey Eggs	7.98	7.92	7.81
Other Livestock	8.52	8.48	8.27
Total Agricultural Services	8.59	8.58	8.42
Soil Preparation Services	8.64	8.71	8.28
Crop Services	8.69	8.62	8.70
Plant Cultivate & Protection	8.64	8.56	8.56
Harvest Primarily by Machine	8.72	8.70	8.91
Preparation Services for Market	8.26	8.19	8.07
Cotton Ginning	9.17	9.03	9.25
Total Farm Labor & Management	8.42	8.40	8.27
Farm Labor Contractors	8.22	8.20	8.11
Farm Management Services	8.63	8.61	8.44

CENTRAL COAST AGRICULTURAL EMPLOYMENT

Wage and Salary Workers (In Thousands)

Industry	May 2002	Apr 2002	May 2001
Total Agriculture	59.9	54.4	68.7
Total Agricultural Production/Crops	36.6	34.4	39.9
Cash Grains	0.0	0.0	0.0
Rice	0.0	0.0	0.0
Other Cash Grains	0.0	0.0	0.0
Field Crops Except Grains	4.9	3.2	0.2
Cotton	0.0	0.0	0.0
Other Field Crops	4.9	3.2	0.2
Vegetables and Melons	8.6	12.5	15.5
Total Fruits and Tree Nuts	12.9	5.8	11.7
Berries	10.4	3.0	9.4
Grapes	0.1	0.2	1.1
Tree Nuts	0.0	0.0	0.2
Citrus Fruits	0.0	0.0	0.0
Deciduous Tree Fruit	0.1	0.1	0.3
Other Fruits & Nuts	2.3	2.5	0.7
Total Horticultural Specialties	9.9	12.0	10.2
Ornamental Floral & Nursery	7.8	9.9	8.0
Food Crops Grown Under Cover	2.1	2.1	2.2
General Farm Primarily Crop	0.3	0.9	2.3
Agricultural Production/Livestock	0.3	0.8	1.0
Beef Cattle Feed Lots	0.0	0.0	0.0
Beef Cattle Except Feed Lots	0.0	0.4	0.3
Dairy Farms	0.3	0.1	0.1
Chicken Eggs	0.0	0.0	0.1
Turkey & Turkey Eggs	0.0	0.0	0.1
Other Livestock	0.0	0.3	0.4
Total Agricultural Services	23.0	19.2	27.8
Soil Preparation Services	0.0	0.1	0.3
Crop Services	8.0	3.2	9.9
Plant Cultivate & Protection	0.0	0.0	0.8
Harvest Primarily by Machine	0.7	1.1	2.0
Preparation Services for Market	7.3	2.1	7.1
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	15.0	15.9	17.6
Farm Labor Contractors	13.8	15.0	16.4
Farm Management Services	1.2	0.9	1.2

na = not available

Average Hourly Earnings (In dollars per hour)

Industry	May 2002	Apr 2002	May 2001
Total Agriculture	8.58	8.55	8.22
Total Agricultural Production/Crops	8.44	8.46	8.30
Cash Grains	na	na	na
Rice	na	na	na
Other Cash Grains	na	na	na
Field Crops Except Grains	8.51	8.53	8.20
Cotton	na	na	na
Other Field Crops	8.51	8.53	8.20
Vegetables and Melons	8.76	8.80	8.35
Total Fruits and Tree Nuts	8.35	8.32	8.27
Berries	8.51	8.51	7.95
Grapes	8.33	8.26	7.98
Tree Nuts	na	na	8.51
Citrus Fruits	na	na	na
Deciduous Tree Fruit	8.07	8.08	8.25
Other Fruits & Nuts	8.50	8.42	8.67
Total Horticultural Specialties	8.38	8.45	8.40
Ornamental Floral & Nursery	8.45	8.51	8.45
Food Crops Grown Under Cover	8.31	8.38	8.34
General Farm Primarily Crop	8.19	8.23	8.27
Agricultural Production/Livestock	8.64	8.43	7.90
Beef Cattle Feed Lots	na	na	na
Beef Cattle Except Feed Lots	na	8.23	8.25
Dairy Farms	8.64	8.54	8.38
Chicken Eggs	na	na	7.25
Turkey & Turkey Eggs	na	na	7.67
Other Livestock	na	8.52	7.93
Total Agricultural Services	8.67	8.75	8.48
Soil Preparation Services	na	8.92	8.26
Crop Services	8.73	8.73	8.60
Plant Cultivate & Protection	na	na	8.22
Harvest Primarily by Machine	8.98	9.07	9.17
Preparation Services for Market	8.48	8.39	8.41
Cotton Ginning	na	na	na
Total Farm Labor & Management	8.61	8.60	8.58
Farm Labor Contractors	8.30	8.30	8.57
Farm Management Services	8.92	8.89	8.59

DESERT AGRICULTURAL EMPLOYMENT

Wage and Salary Workers (In Thousands)

Industry	May 2002	Apr 2002	May 2001
Total Agriculture	34.5	32.4	38.7
Total Agricultural Production/Crops	15.8	17.6	15.2
Cash Grains	0.0	0.0	0.1
Rice	0.0	0.0	0.0
Other Cash Grains	0.0	0.0	0.1
Field Crops Except Grains	2.0	3.9	1.4
Cotton	0.0	0.3	0.1
Other Field Crops	2.0	3.6	1.3
Vegetables and Melons	3.6	2.1	3.5
Total Fruits and Tree Nuts	6.7	8.2	5.4
Berries	0.0	0.0	0.2
Grapes	4.0	3.8	3.0
Tree Nuts	0.1	0.0	0.2
Citrus Fruits	0.6	0.4	0.5
Deciduous Tree Fruit	0.0	0.0	0.1
Other Fruits & Nuts	2.0	4.0	1.4
Total Horticultural Specialties	2.2	1.0	1.5
Ornamental Floral & Nursery	2.2	1.0	1.4
Food Crops Grown Under Cover	0.0	0.0	0.1
General Farm Primarily Crop	1.3	2.4	3.3
Agricultural Production/Livestock	4.1	2.5	5.5
Beef Cattle Feed Lots	0.2	0.0	0.3
Beef Cattle Except Feed Lots	0.8	0.0	0.6
Dairy Farms	2.8	2.2	2.9
Chicken Eggs	0.0	0.0	1.1
Turkey & Turkey Eggs	0.0	0.0	0.0
Other Livestock	0.3	0.3	0.6
Total Agricultural Services	14.6	12.3	18.0
Soil Preparation Services	0.1	0.2	0.2
Crop Services	1.2	1.8	4.7
Plant Cultivate & Protection	0.3	1.2	0.5
Harvest Primarily by Machine	0.2	0.1	1.0
Preparation Services for Market	0.6	0.4	3.1
Cotton Ginning	0.1	0.1	0.1
Total Farm Labor & Management	13.3	10.3	13.1
Farm Labor Contractors	13.2	10.2	10.2
Farm Management Services	0.1	0.1	2.9

na = not available

Average Hourly Earnings (In dollars per hour)

Industry	May 2002	Apr 2002	May 2001
Total Agriculture	8.33	8.33	8.09
Total Agricultural Production/Crops	8.26	8.31	7.93
Cash Grains	na	na	8.00
Rice	na	na	na
Other Cash Grains	na	na	8.00
Field Crops Except Grains	8.58	8.69	7.97
Cotton	8.65	8.65	8.10
Other Field Crops	8.51	8.73	7.84
Vegetables and Melons	8.32	8.37	7.90
Total Fruits and Tree Nuts	8.22	8.10	7.72
Berries	na	na	7.64
Grapes	8.02	7.82	7.66
Tree Nuts	8.15	na	7.13
Citrus Fruits	8.11	7.95	8.04
Deciduous Tree Fruit	na	na	7.26
Other Fruits & Nuts	8.60	8.53	8.61
Total Horticultural Specialties	8.15	8.19	7.90
Ornamental Floral & Nursery	8.15	8.19	7.82
Food Crops Grown Under Cover	na	na	7.98
General Farm Primarily Crop	8.02	8.21	8.08
Agricultural Production/Livestock	8.21	8.23	7.94
Beef Cattle Feed Lots	7.84	na	8.05
Beef Cattle Except Feed Lots	8.48	na	7.95
Dairy Farms	8.37	8.33	8.61
Chicken Eggs	na	na	7.09
Turkey & Turkey Eggs	na	na	na
Other Livestock	8.16	8.12	8.02
Total Agricultural Services	8.53	8.46	8.40
Soil Preparation Services	8.75	8.69	8.15
Crop Services	8.49	8.51	8.75
Plant Cultivate & Protection	8.49	8.34	8.37
Harvest Primarily by Machine	8.81	9.03	9.37
Preparation Services for Market	7.95	7.95	7.92
Cotton Ginning	8.72	8.71	9.32
Total Farm Labor & Management	8.34	8.19	8.30
Farm Labor Contractors	8.19	8.07	8.35
Farm Management Services	8.48	8.31	8.25

NORTH COAST AGRICULTURAL EMPLOYMENT

Wage and Salary Workers (In Thousands)

Industry	May 2002	Apr 2002	May 2001
Total Agriculture	15.9	13.6	18.3
Total Agricultural Production/Crops	11.4	9.0	12.8
Cash Grains	0.0	0.0	0.0
Rice	0.0	0.0	0.0
Other Cash Grains	0.0	0.0	0.0
Field Crops Except Grains	0.0	0.0	0.1
Cotton	0.0	0.0	0.0
Other Field Crops	0.0	0.0	0.1
Vegetables and Melons	0.9	0.2	0.2
Total Fruits and Tree Nuts	9.8	7.2	10.4
Berries	0.0	0.0	0.0
Grapes	8.7	6.7	9.6
Tree Nuts	0.1	0.0	0.1
Citrus Fruits	0.0	0.0	0.0
Deciduous Tree Fruit	0.8	0.0	0.6
Other Fruits & Nuts	0.2	0.5	0.1
Total Horticultural Specialties	0.2	0.2	1.8
Ornamental Floral & Nursery	0.1	0.2	1.6
Food Crops Grown Under Cover	0.1	0.0	0.2
General Farm Primarily Crop	0.5	1.4	0.3
Agricultural Production/Livestock	1.5	3.0	1.8
Beef Cattle Feed Lots	0.0	0.0	0.1
Beef Cattle Except Feed Lots	0.0	0.0	0.2
Dairy Farms	0.6	0.4	0.9
Chicken Eggs	0.6	1.9	0.1
Turkey & Turkey Eggs	0.0	0.0	0.1
Other Livestock	0.3	0.7	0.4
Total Agricultural Services	3.0	1.6	3.7
Soil Preparation Services	0.1	0.0	0.0
Crop Services	0.0	0.0	0.3
Plant Cultivate & Protection	0.0	0.0	0.2
Harvest Primarily by Machine	0.0	0.0	0.0
Preparation Services for Market	0.0	0.0	0.1
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	2.9	1.6	3.4
Farm Labor Contractors	0.6	0.2	0.7
Farm Management Services	2.3	1.4	2.7

na = not available

Average Hourly Earnings (In dollars per hour)

Industry	May 2002	Apr 2002	May 2001
Total Agriculture	8.59	8.63	8.36
Total Agricultural Production/Crops	8.57	8.59	8.45
Cash Grains	na	na	na
Rice	na	na	na
Other Cash Grains	na	na	na
Field Crops Except Grains	na	na	8.58
Cotton	na	na	na
Other Field Crops	na	na	8.58
Vegetables and Melons	8.67	8.65	8.57
Total Fruits and Tree Nuts	8.61	8.62	8.52
Berries	na	na	na
Grapes	8.59	8.60	8.70
Tree Nuts	8.49	na	8.14
Citrus Fruits	na	na	na
Deciduous Tree Fruit	8.74	na	8.54
Other Fruits & Nuts	8.60	8.64	8.70
Total Horticultural Specialties	8.56	8.69	8.37
Ornamental Floral & Nursery	8.68	8.69	8.62
Food Crops Grown Under Cover	8.44	na	8.12
General Farm Primarily Crop	8.43	8.39	8.22
Agricultural Production/Livestock	8.56	8.52	8.19
Beef Cattle Feed Lots	na	na	8.00
Beef Cattle Except Feed Lots	na	na	8.00
Dairy Farms	8.27	8.22	8.39
Chicken Eggs	8.49	8.49	8.10
Turkey & Turkey Eggs	na	na	8.10
Other Livestock	8.92	8.85	8.54
Total Agricultural Services	8.65	8.77	8.43
Soil Preparation Services	8.63	na	na
Crop Services	na	na	8.32
Plant Cultivate & Protection	na	na	8.56
Harvest Primarily by Machine	na	na	na
Preparation Services for Market	na	na	8.07
Cotton Ginning	na	na	na
Total Farm Labor & Management	8.66	8.77	8.55
Farm Labor Contractors	8.49	8.64	8.27
Farm Management Services	8.83	8.90	8.82

SOUTH COAST AGRICULTURAL EMPLOYMENT

Wage and Salary Workers (In Thousands)

Industry	May 2002	Apr 2002	May 2001
Total Agriculture	74.4	70.9	77.0
Total Agricultural Production/Crops	54.9	52.5	56.1
Cash Grains	0.1	0.0	0.1
Rice	0.0	0.0	0.0
Other Cash Grains	0.1	0.0	0.1
Field Crops Except Grains	1.5	1.3	0.4
Cotton	0.0	0.0	0.0
Other Field Crops	1.5	1.3	0.4
Vegetables and Melons	8.3	5.9	8.1
Total Fruits and Tree Nuts	26.2	23.6	24.1
Berries	17.2	17.2	18.1
Grapes	0.5	0.0	2.1
Tree Nuts	0.0	0.0	0.1
Citrus Fruits	0.8	0.4	1.6
Deciduous Tree Fruit	0.3	0.0	0.4
Other Fruits & Nuts	7.4	6.0	1.8
Total Horticultural Specialties	17.6	19.2	19.2
Ornamental Floral & Nursery	16.7	16.8	18.4
Food Crops Grown Under Cover	0.9	2.4	0.8
General Farm Primarily Crop	1.2	2.5	4.2
Agricultural Production/Livestock	2.3	1.8	1.9
Beef Cattle Feed Lots	0.0	0.0	0.0
Beef Cattle Except Feed Lots	0.2	0.0	0.3
Dairy Farms	0.0	0.0	0.1
Chicken Eggs	0.6	1.3	0.4
Turkey & Turkey Eggs	0.0	0.0	0.0
Other Livestock	1.5	0.5	1.1
Total Agricultural Services	17.2	16.6	19.0
Soil Preparation Services	0.0	0.0	0.2
Crop Services	2.7	3.5	3.1
Plant Cultivate & Protection	0.7	1.1	0.5
Harvest Primarily by Machine	0.0	0.0	0.2
Preparation Services for Market	2.0	2.4	2.4
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	14.5	13.1	15.7
Farm Labor Contractors	12.2	10.6	14.0
Farm Management Services	2.3	2.5	1.7

na = not available

Average Hourly Earnings (In dollars per hour)

Industry	May 2002	Apr 2002	May 2001
Total Agriculture	8.39	8.33	8.28
Total Agricultural Production/Crops	8.37	8.34	8.18
Cash Grains	8.66	na	8.54
Rice	na	na	na
Other Cash Grains	8.66	na	8.54
Field Crops Except Grains	8.47	8.52	8.30
Cotton	na	na	na
Other Field Crops	8.47	8.52	8.30
Vegetables and Melons	8.34	8.28	8.02
Total Fruits and Tree Nuts	8.24	8.30	7.85
Berries	7.85	7.88	7.21
Grapes	8.47	na	8.06
Tree Nuts	na	na	7.59
Citrus Fruits	8.41	8.53	8.20
Deciduous Tree Fruit	7.86	na	7.41
Other Fruits & Nuts	8.60	8.50	8.62
Total Horticultural Specialties	8.40	8.39	8.14
Ornamental Floral & Nursery	8.66	8.62	8.02
Food Crops Grown Under Cover	8.13	8.15	8.26
General Farm Primarily Crop	8.12	8.23	8.23
Agricultural Production/Livestock	8.36	8.24	8.27
Beef Cattle Feed Lots	na	na	na
Beef Cattle Except Feed Lots	8.63	na	8.70
Dairy Farms	na	na	8.63
Chicken Eggs	7.99	8.06	7.41
Turkey & Turkey Eggs	na	na	na
Other Livestock	8.46	8.42	8.32
Total Agricultural Services	8.45	8.41	8.41
Soil Preparation Services	na	na	8.54
Crop Services	8.52	8.50	8.55
Plant Cultivate & Protection	8.85	8.81	8.84
Harvest Primarily by Machine	na	na	8.96
Preparation Services for Market	8.19	8.19	7.85
Cotton Ginning	na	na	na
Total Farm Labor & Management	8.39	8.32	8.14
Farm Labor Contractors	8.20	8.04	7.89
Farm Management Services	8.57	8.60	8.39

SAN JOAQUIN AGRICULTURAL EMPLOYMENT

Wage and Salary Workers (In Thousands)

Industry	May 2002	Apr 2002	May 2001
Total Agriculture	201.1	179.0	200.8
Total Agricultural Production/Crops	78.9	67.0	76.5
Cash Grains	0.4	1.8	0.4
Rice	0.0	0.0	0.1
Other Cash Grains	0.4	1.8	0.3
Field Crops Except Grains	8.5	7.2	8.5
Cotton	6.2	2.2	5.4
Other Field Crops	2.3	5.0	3.1
Vegetables and Melons	13.4	10.6	6.6
Total Fruits and Tree Nuts	35.0	32.6	42.2
Berries	0.0	0.0	0.1
Grapes	21.0	18.9	21.3
Tree Nuts	3.2	4.4	4.7
Citrus Fruits	0.8	1.3	1.7
Deciduous Tree Fruit	5.1	1.9	10.5
Other Fruits & Nuts	4.9	6.1	3.9
Total Horticultural Specialties	6.5	7.7	5.0
Ornamental Floral & Nursery	6.4	7.4	4.8
Food Crops Grown Under Cover	0.1	0.3	0.2
General Farm Primarily Crop	15.1	7.1	13.8
Agricultural Production/Livestock	11.9	14.4	17.4
Beef Cattle Feed Lots	1.1	0.8	0.4
Beef Cattle Except Feed Lots	0.4	1.4	1.6
Dairy Farms	6.9	10.3	12.0
Chicken Eggs	0.1	0.6	0.6
Turkey & Turkey Eggs	2.7	0.7	0.8
Other Livestock	0.7	0.6	2.0
Total Agricultural Services	110.3	97.6	106.9
Soil Preparation Services	0.5	1.7	0.6
Crop Services	25.1	22.3	25.3
Plant Cultivate & Protection	3.2	2.6	3.9
Harvest Primarily by Machine	2.6	1.7	2.5
Preparation Services for Market	18.7	17.5	18.4
Cotton Ginning	0.6	0.5	0.5
Total Farm Labor & Management	84.7	73.6	81.0
Farm Labor Contractors	82.2	71.3	77.0
Farm Management Services	2.5	2.3	4.0

na = not available

Average Hourly Earnings (In dollars per hour)

Industry	May 2002	Apr 2002	May 2001
Total Agriculture	8.28	8.29	8.17
Total Agricultural Production/Crops	8.14	8.14	8.09
Cash Grains	7.96	7.96	8.16
Rice	na	na	8.04
Other Cash Grains	7.96	7.96	8.27
Field Crops Except Grains	8.22	8.26	8.14
Cotton	8.21	8.27	7.89
Other Field Crops	8.22	8.24	8.39
Vegetables and Melons	8.18	8.14	8.25
Total Fruits and Tree Nuts	8.15	8.17	7.59
Berries	na	na	7.12
Grapes	8.31	8.35	7.81
Tree Nuts	8.33	8.39	8.00
Citrus Fruits	8.18	7.84	7.58
Deciduous Tree Fruit	7.78	7.74	7.40
Other Fruits & Nuts	8.13	8.55	7.64
Total Horticultural Specialties	8.29	8.27	7.97
Ornamental Floral & Nursery	8.24	8.11	8.04
Food Crops Grown Under Cover	8.33	8.42	7.89
General Farm Primarily Crop	8.05	8.05	8.43
Agricultural Production/Livestock	8.20	8.33	8.04
Beef Cattle Feed Lots	8.16	8.24	7.94
Beef Cattle Except Feed Lots	8.23	8.23	7.96
Dairy Farms	8.63	8.85	8.77
Chicken Eggs	7.47	8.06	7.24
Turkey & Turkey Eggs	7.98	7.92	7.67
Other Livestock	8.72	8.68	8.65
Total Agricultural Services	8.50	8.39	8.39
Soil Preparation Services	8.55	8.52	8.44
Crop Services	8.78	8.53	8.61
Plant Cultivate & Protection	8.68	8.54	8.77
Harvest Primarily by Machine	8.46	8.08	8.55
Preparation Services for Market	8.37	8.15	7.95
Cotton Ginning	9.61	9.35	9.18
Total Farm Labor & Management	8.16	8.12	8.13
Farm Labor Contractors	7.98	7.91	7.88
Farm Management Services	8.34	8.33	8.37

SACRAMENTO VALLEY AGRICULTURAL EMPLOYMENT

Wage and Salary Workers (In Thousands)

Industry	May 2002	Apr 2002	May 2001
Total Agriculture	23.0	23.5	28.7
Total Agricultural Production/Crops	15.3	15.9	18.8
Cash Grains	2.1	3.1	2.2
Rice	2.0	2.8	1.8
Other Cash Grains	0.1	0.3	0.4
Field Crops Except Grains	0.9	1.4	0.7
Cotton	0.0	0.0	0.0
Other Field Crops	0.9	1.4	0.7
Vegetables and Melons	2.8	1.1	2.0
Total Fruits and Tree Nuts	4.0	4.4	7.7
Berries	0.0	0.0	0.1
Grapes	0.7	0.3	1.4
Tree Nuts	1.8	2.9	2.4
Citrus Fruits	0.0	0.2	0.0
Deciduous Tree Fruit	1.1	0.8	2.9
Other Fruits & Nuts	0.4	0.2	0.9
Total Horticultural Specialties	2.4	2.9	2.4
Ornamental Floral & Nursery	2.4	2.9	2.2
Food Crops Grown Under Cover	0.0	0.0	0.2
General Farm Primarily Crop	3.1	3.0	3.8
Agricultural Production/Livestock	0.9	3.5	1.8
Beef Cattle Feed Lots	0.2	0.6	0.1
Beef Cattle Except Feed Lots	0.1	0.1	0.6
Dairy Farms	0.1	0.2	0.5
Chicken Eggs	0.0	0.0	0.0
Turkey & Turkey Eggs	0.0	0.0	0.0
Other Livestock	0.5	2.6	0.6
Total Agricultural Services	6.8	4.1	8.1
Soil Preparation Services	0.0	0.0	0.1
Crop Services	1.5	1.4	2.6
Plant Cultivate & Protection	0.8	0.5	0.8
Harvest Primarily by Machine	0.4	0.5	0.4
Preparation Services for Market	0.3	0.4	1.4
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	5.3	2.7	5.4
Farm Labor Contractors	5.1	2.7	5.2
Farm Management Services	0.2	0.0	0.2

na = not available

Average Hourly Earnings (In dollars per hour)

Industry	May 2002	Apr 2002	May 2001
Total Agriculture	8.38	8.34	8.23
Total Agricultural Production/Crops	8.33	8.35	8.04
Cash Grains	8.30	8.47	8.32
Rice	8.30	8.68	8.41
Other Cash Grains	8.29	8.25	8.23
Field Crops Except Grains	8.28	8.24	8.11
Cotton	na	na	na
Other Field Crops	8.28	8.24	8.11
Vegetables and Melons	8.40	8.48	7.93
Total Fruits and Tree Nuts	8.24	8.06	7.69
Berries	na	na	7.21
Grapes	8.25	8.01	7.89
Tree Nuts	8.28	8.21	7.55
Citrus Fruits	na	7.76	na
Deciduous Tree Fruit	8.17	8.13	7.93
Other Fruits & Nuts	8.25	8.20	7.85
Total Horticultural Specialties	8.38	8.45	8.30
Ornamental Floral & Nursery	8.38	8.45	8.26
Food Crops Grown Under Cover	na	na	8.34
General Farm Primarily Crop	8.39	8.39	7.87
Agricultural Production/Livestock	8.39	8.33	8.53
Beef Cattle Feed Lots	8.24	8.24	8.78
Beef Cattle Except Feed Lots	8.41	8.23	8.38
Dairy Farms	8.56	8.53	8.78
Chicken Eggs	na	na	na
Turkey & Turkey Eggs	na	na	na
Other Livestock	8.33	8.30	8.18
Total Agricultural Services	8.43	8.35	8.13
Soil Preparation Services	na	na	8.00
Crop Services	8.48	8.47	8.44
Plant Cultivate & Protection	8.53	8.54	8.59
Harvest Primarily by Machine	8.63	8.61	8.50
Preparation Services for Market	8.29	8.26	8.24
Cotton Ginning	na	na	na
Total Farm Labor & Management	8.38	8.22	7.95
Farm Labor Contractors	8.15	8.22	7.67
Farm Management Services	8.61	na	8.23

DATA NOTES

Data Sources:

These data are obtained from two sources: the Employment Development Department (EDD) Covered Employment and Wages (ES-202) data files and a monthly survey conducted by the California Agricultural Statistical Service (CASS) of the U.S. Department of Agriculture (USDA) and the Labor Market Information Division of EDD of 4,200 agricultural employers. The sample was selected to be representative of the state's agricultural employers by size, geographic location, and industry categories. Sample data are gathered for the survey week that includes the 12th calendar day of the month. All data in this bulletin represent activities taking place during this mid-month period. Same month prior year employment data are benchmarked to the ES-202 data files maintained by EDD.

Data Comments:

To aid in accurate usage and interpretation of the data, please note the following:

- **Agricultural Services employment survey data may be recalculated; historical trend information is used to adjust sample data when low response rates occur.**
- Regional data may show greater variability than statewide data because of small sample size and variable reporting patterns in specific industries.
- Current month regional estimates are based on the recorded addresses of owner-operators. Same month prior year regional data are based on worksite locations. Significant differences between regional current month and same month prior year data could result, although statewide totals might be comparable.
- Where data cannot be estimated because of inadequate sample reporting, the letters "na" have been entered into the field to indicate estimates are not available.
- Wage data include wages of supervisors and hired non-production workers (primarily administrative personnel). Piece rate data are also included where applicable.
- Fishing, forestry, and hunting industry data are not included in the Agricultural Services estimates. Unique seasonal industry patterns of employment make producing employment estimates for these industries problematic.
- Employment data do not include employers of unpaid family workers.
- Agricultural workers who are employed by farm labor contractors are reported in Agricultural Services under that industry category. Employment levels in Crop Production and Livestock Production do not reflect their activities in the associated industries that contract with the farm labor contractors.

Total agricultural employment and hourly earnings estimates in this bulletin are derived from the monthly Current Employment Statistics for Agriculture project. Estimates in this bulletin will differ from other agricultural estimates published by EDD and the USDA because of differences in the number of industries covered and in the definition of agricultural workers.

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